

WHAT IS CLAIMED IS:

1. A gas generator comprising, at least, a cup member (3) containing a gas generant (2) which burns to generate gas, and  
5 a holder (6) provided with an ignition device that has at least one conductive pin (4d) and ignites said gas generant (2),  
wherein:

said holder (6) is provided with one or more through holes (6d) through which said conductive pins (4d) pass and one or  
10 more non-through holes (6e) through which said conductive pins (4d) do not pass; and

with respect to a rupture pressure from said gas generant (2) side to said holder (6), when a pressure occurs toward an outside of said gas generator, said rupture pressure of said  
15 through hole (6d) through which said conductive pin (4d) passes is adjusted to be higher than said rupture pressure of said non-through hole (6e) through which said conductive pin (4d) does not pass.

20 2. The gas generator as claimed in claim 1, wherein a rupture open area of said non-through hole (6e) through which said conductive pin (4d) does not pass is equal to or larger than a rupture open area of said thorough hole (6d) through which said conductive pin (4d) passes.

3. The gas generator as claimed in claim 1 or 2, wherein said holder (6) is formed integrally with said ignition device by a resin.

5 4. The gas generator as claimed in claim 1 or 2, wherein:  
said holder (6) is formed integrally with said ignition device by the resin; and  
a base portion (6f) of said non-through hole (6e) through which said conductive pin (4d) does not pass is made of said  
10 resin.

5. The gas generator as claimed in claim 1 or 2, wherein:  
said holder (6) is formed integrally with said ignition device by the resin;  
15 a base portion (6f) of said non-through hole (6e) through which said conductive pin (4d) does not pass is made of said resin; and  
said holder (6) is insert molded by said resin with a reinforcement member (26) which is made of a rigid material  
20 having a higher strength than said resin.

6. The gas generator as claimed in claim 1 or 2, wherein:  
said holder (6) is formed integrally with said ignition device by the resin;  
25 a base portion (6f) of said non-through hole (6e) through

which said conductive pin (4d) does not pass is made of said resin;

said holder (6) is insert molded by said resin with a reinforcement member (26) which is made of a rigid material  
5 having a higher strength than said resin; and

said reinforcement member (26) is provided with one or more through holes (6d) through which said conductive pins (4d) pass and one or more non-through holes (6g) through which said conductive pins (4d) do not pass.

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7. The gas generator as claimed in any one of claims 1 through 6, wherein a depth (L) of said non-through hole (6e) through which said conductive pin (4d) does not pass is within a range of 60 to 90 % of a length (M) of said holder (6) from one end  
15 to the other end thereof inclusive of said non-through hole (6e) through which said conductive pin (4d) does not pass and said base portion (6f) of said non-through hole (6e).

8. The gas generator as claimed in any one of claims 1 through  
20 7, wherein a relationship among a minimum thickness (T) of said base portion (6f) of a connector attachment hole (18) of said holder (6), a diameter (Y) of said base portion (6f) of said connector attachment hole (18), said thickness (t) of said base portion (6f) of said non-through hole (6e) through which said  
25 conductive pin (4d) does not pass, and a diameter (y) of an

inscribed circle in said non-through hole (6e), satisfies a following relationship:

"said thickness (t) of said base portion (6f) of said non-through hole (6e) through which said conductive pin (4d) does not pass < {said diameter (y) of said inscribed circle in said non-through hole (6e) × said minimum thickness (T) of said base portion (6f) of said connector attachment hole (18)} / said diameter (Y) of said base portion (6f) of said connector attachment hole (18)".

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